

MAR 20 2009

Application No. 10/049,488
Amendment dated March 20, 2009
After Final Office Action of December 23, 2008

2

Docket No.: 56925(71745)

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all previous listings or versions thereof:

1 – 8. (canceled)

9. (currently amended) A method, comprising:

- making a plunger type pipette, comprising by molding and setting a second material around a central plunger having an outer surface and being formed of a first drawn material, such that the second material forms a barrel corresponding to the outer surface of the plunger, and the central plunger can slide in the barrel to draw a substance into it and/or to dispense a substance from it; and
aspirating a substance into the plunger type pipette by drawing the plunger into the barrel.

10 (previously presented) A method according to claim 9, wherein the first drawn material is selected from the group consisting of drawn wire and extruded metal.

11. (previously presented) A method according to claim 9, wherein the first drawn material is selected from the group consisting of a metal, a ceramic, and a plastic material.

12. (previously presented) A method according to claim 9, wherein the second material is a plastic material.

13. (previously presented) A method according to claim 9, wherein the first drawn material is actively cooled during the molding step.

14. (previously presented) A method according to claim 9, wherein each of the first drawn material and the second material has a thermal conductivity and a specific heat capacity, and wherein a relationship of the thermal conductivities and specific heat capacities of the first drawn material and the second material is selected from the group consisting of:

BQS2 725601.1

Application No. 10/049,488
Amendment dated March 20, 2009
After Final Office Action of December 23, 2008

3

Docket No.: 56925(71745)

(a) the thermal conductivity of the first drawn material is greater than the thermal conductivity of the second material,

(b) the specific heat capacity of the first drawn material is greater than the specific heat capacity of the second material, and

(c) the thermal conductivity of the first drawn material is greater than the thermal conductivity of the second material, and the specific heat capacity of the first drawn material is greater than the specific heat capacity of the second material.

15. (previously presented) A method according to claim 9, wherein the molding step comprises performing one of the steps from the group consisting of injection molding, welding, coextrusion casting and dip coating.

16. (previously presented) A method according to claim 9, wherein the barrel, as formed, has a uniform cylindrical shape.

17. (currently amended) A method of aspirating a substance using a plunger type pipette comprising:

a) a central plunger formed from a first drawn material; and

b) a barrel formed from a second material, by moulding and setting the second material around the central plunger;

wherein the barrel has an inner core and the plunger has an outer surface each of which are uniform cylinders, the barrel inner core corresponding to the plunger outer surface along its entire length, and wherein the central plunger can slide in the barrel to draw a substance into it and/or to dispense a substance from it, the plunger being projectable beyond a tip of the barrel, comprising the step of:

aspirating the substance into the plunger type pipette by drawing the plunger into the barrel.

18. (currently amended) A device method according to claim 17, wherein the device plunger type pipette is attached to a flexible strip in a manner to allow for attachment of a plurality of additional devices plunger type pipettes.

BOS2 725601.1

Application No. 10/049,488
Amendment dated March 20, 2009
After Final Office Action of December 23, 2008

4

Docket No.: 56925(71745)

19. (currently amended) A device method according to claim 18, wherein the strip includes a plurality of sprocket holes defined therein to drive and align any attached device plunger type pipette.

20. (canceled)

21. (currently amended) A device method according to claim 17, wherein the device plunger type pipette is formed to include a heat sealable tip.

22. (canceled)

23. (new) A method according to claim 9, including the further step of dispensing the substance from the plunger type pipette by propelling the plunger partially or fully through the barrel.

24. (new) A method according to claim 17, including the further step of dispensing the substance from the plunger type pipette by propelling the plunger partially or fully through the barrel.

ROS2 725601.1